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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/726,435

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Adam Weisz

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04/29/2005

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EXAMINER

LEVI, DAMEON E

ART UNIT

PAPER NUMBER

2841

DATE MAILED: 04/29/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/726,435

Applicant(s)

WEISZ ET AL.

Examiner

Dameon E. Levi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 December 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-22 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-22 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 December 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-16 are rejected under 35 U.S.C. 102(b) as being anticipated by Maue et al US Patent 5995380.

Regarding claim 1, Maue et al discloses an electronic module comprising:

an insulative housing(for example, see elements 41,43, Figs 1-3) ,

at least one circuit board(for example, see element 51, Figs 1-3) contained within the housing;

a plurality of connectors (for example, see elements 117,103 Figs 1-3) coupled to the circuit board, at least some of the connectors accessible through a surface of the housing;

at least one fuse(for example, see elements 17, Figs 1-3) electrically coupled to the circuit board; and

an insulative fuse door(for example, see elements 45, Figs 1-3) sealingly engaged to the housing and positionable with respect to the housing to provide access to the fuse from an exterior of the housing(for example, see Figs 1-3, see column 2, lines 50-51).

Regarding claim 2, Maue et al discloses wherein the housing comprises a connector portion(for example, see elements 27, Figs 1-3) and a cover portion(for example, see

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cover portions attached to element 15, and associated with, element 27, Figs 1-3) sealingly engaged to the connector portion.

Regarding claim 3, Maue et al discloses wherein the housing comprises a plurality of integrally molded connector receptacles on one surface thereof(for example, see elements 27 on element 41, Figs 1-3).

Regarding claim 4, the intended use recitation [...wherein the connectors are configured to engage 0.64 GET terminal system connectors], it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus(Maue et al) satisfying the claimed structural limitations. Additionally, the Office objects to the inclusion of 0.64 GET terminal system connectors as recited in the claims since 0.64 GET is a designation of a changeable connector type specification.

Regarding claim 5, Maue et al discloses further comprising a second circuit board contained in the housing(for example, see column 2, lines 54-55).

Regarding claim 6, Maue et al discloses wherein the fuse door is curved on one side thereof(for example, see elements 45, Figs 1-3).

Regarding claim 7, Maue et al discloses wherein the fuse door comprises an exterior surface, at least a portion of the exterior surface being concave(for example, see elements 45, Figs 1-3).

Regarding claim 8, Maue et al discloses wherein the fuse door is removable from the housing(for example, see Figs 1-3, see column 2, lines 50-51).

Regarding claim 9, Maue et al discloses wherein the housing comprises a

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connector portion(for example, see elements 27, 43,Figs 1-3) and an opposite cover portion(for example, see elements 41 Figs 1-3), the fuse access door engaged to the cover portion(for example, see elements 45, Figs 1-3).

Regarding claim 10, Maue et al discloses an electronic module comprising:

an insulative housing having a plurality of integrally formed connector receptacles(for example, see elements 41,43,27 Figs 1-3);

at least one printed circuit board(for example, see element 51, Figs 1-3) contained within the housing;

a plurality of connectors(for example, see elements 117, Figs 1-3) coupled to the circuit board and extending into the connector receptacles;

at least one fuse (for example, see elements 17, Figs 1-3) electrically coupled to the circuit board; and

an insulative fuse door(for example, see elements 45, Figs 1-3) sealingly engaged to the housing and positionable to provide access to the fuse from an exterior of the housing(for example, see Figs 1-3, see column 2, lines 50-51).

Regarding claim 11, Maue et al discloses wherein the housing comprises a connector portion(for example, see elements 27, 43,Figs 1-3) and a cover portion, the connector receptacles formed in the connector portion(for example, see elements 41,27 Figs 1-3), the fuse door coupled to the cover portion(for example, see elements 45, Figs 1-3).

Regarding claim 12, the intended use recitation [...wherein the connectors are configured to engage 0.64 GET terminal system connectors], it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be

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employed does not differentiate the claimed apparatus from a prior art apparatus(Maue et al) satisfying the claimed structural limitations. Additionally, the Office objects to the inclusion of 0.64 GET terminal system connectors as recited in the claims since 0.64 GET is a designation of a changeable connector type specification.

Regarding claim 13, Maue et al discloses further comprising a second circuit board contained in the housing(for example, see column 2, lines 54-55).

Regarding claim 14, Maue et al discloses wherein the fuse door is curved on one side thereof(for example, see elements 45, Figs 1-3).

Regarding claim 15, Maue et al discloses wherein the fuse door comprises an exterior surface, at least a portion of the exterior surface being concave(for example, see elements 45, Figs 1-3).

Regarding claim 16, Maue et al discloses wherein the fuse door is removable from the housing(for example, see Figs 1-3, see column 2, lines 50-51).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which the subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Maue et al US Patent 5995380 in view of Saka et al US Patent 5532431.

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Regarding claim 17, Maue et al discloses the instant claimed invention except wherein the housing comprises a first portion having a sealing groove;
a second portion having a sealing rim received in the groove; and
a seal member positioned in the groove and compressed by the rim.

Saka et al discloses an apparatus a housing comprises a first portion having a sealing groove(for example, see elements 4, 4a, Figs 1-8) a second portion having a sealing rim received in the groove(for example, see elements 1, 1a, Figs 1-8)
and a seal member(for example, see elements 6, Figs 2,3, elements 11a, Figs 4-8)
positioned in the groove and compressed by the rim.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a groove and rim with a seal member received therebetween as taught by Saka et al in the assembly as taught by Maue et al as such an arrangement is known for providing a moisture proof enclosure for protecting components housed therein.

Regarding claim 18, Maue et al discloses the instant claimed invention except wherein the fuse door comprises an outer perimeter and a seal member substantially coextensive with the outer perimeter.

Saka et al discloses an apparatus wherein the fuse door comprises an outer perimeter and a seal member substantially coextensive with the outer perimeter(for example, see elements 4, 6, 11a, Figs 1-6).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have formed the seal member substantially coextensive with the

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outer perimeter of the fuse door as taught by Saka et al in the apparatus as taught by Maue et al as such arrangement as such an arrangement is known for providing a moisture proof enclosure for protecting components housed therein.

Regarding claim 19, Maue et al discloses a module comprising:

an insulative housing comprising a connector portion having a plurality of internally formed connector receptacles(for example, see elements 41,43,27 Figs 1-3); and a cover portion (for example, see elements 27, 43,Figs 1-3) sealingly engaged to the connector portion opposite the connector portion;

at least one printed circuit board(for example, see elements 51, Figs 1-3) contained within the housing ,

a plurality of connectors(for example, see elements 117, Figs 1-3) coupled to the circuit board and extending into the connector receptacles;

at least one fuse (for example, see elements 17, Figs 1-3) electrically connected to the circuit board;

and an insulative fuse door(for example, see elements 45, Figs 1-3) removably engaged to the cover portion,

Maue et al does not expressly disclose the fuse door having a seal providing a moisture proof barrier when the fuse door is attached to the housing.

Saka et al discloses an apparatus that teaches a fuse door having a seal providing a moisture proof barrier when the fuse door is attached to a housing(for example, see elements 4, 6, 11a, Figs 1-6).

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Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a fuse door with a seal as taught by Saka et al in the assembly as taught by Maue et al as such an arrangement is known for providing a moisture proof enclosure for protecting components housed within the enclosure.

Regarding claim 20, the intended use recitation [... wherein the connectors are configured to engage 0.64 GET terminal system connectors], it has been held that a recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus(Maue et al) satisfying the claimed structural limitations. Additionally, the Office objects to the inclusion of 0.64 GET terminal system connectors as recited in the claims since 0.64 GET is a designation of a changeable connector type specification.

Regarding claim 21, Maue et al discloses the instant claimed invention except wherein one of the connector portion and the cover portion comprises a sealing groove, the other of the connector portion and the cover portion comprises a sealing rim, and the control module further comprising a seal member, positioned in the groove and compressed by the rim when the cover portion is coupled to the connector portion.

Saka et al discloses an apparatus wherein one of the connector portion and the cover portion comprises a sealing groove(for example, see elements 4, 4a, Figs 1-8), the other of the connector portion and the cover portion comprises a sealing rim(for example, see elements 1, 1a, Figs 1-8), and the control module further comprising a seal member(for example, see elements 6, Figs 2,3, elements 11a, Figs 4-8) positioned

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in the groove and compressed by the rim when the cover portion is coupled to the connector portion.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have included a groove and rim with a seal member received therebetween as taught by Saka et al in the assembly as taught by Maue et al as such an arrangement is known for providing a moisture proof enclosure for protecting components housed therein.

Regarding claim 22, Maue et al discloses wherein the fuse door comprises a recessed handle portion(for example, see element 45, Figs 1-3).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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DEL

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Examiner
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